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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
ORCON-	Dissemination and Extraction of Information Controlled by Originator
REL . . .-	This Information has been Authorized for Release to . . .

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18 APRIL 1977

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IMAGERY INFORMATION REPORT

SQUARE PAIR RADARS AT SARY-SHAGAN R&D RADAR FACILITY 3, USSR

Two SQUARE PAIR radars were observed fully assembled at Sary-Shagan Research and Development (R&D) Radar Facility 3. They were deployed on concrete pads near the two large probable radars housed under environmental covers at opposite ends of a radar control building. The command guidance antennas for the SQUARE PAIR did not appear to be attached, and no modifications were discernible. Neither SQUARE PAIR would operate effectively with the current orientation (toward the radar facility support buildings), and each should be turned in a north-west azimuth toward the center of the Sary-Shagan Missile Test Range.

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The SQUARE PAIR is the tracking and guidance radar for the Soviet long-range, SA-5 surface-to-air missile system. R&D Radar Facility 3 has been under construction since February 1971 and is between ABM-related Sary-Shagan R&D Radar Facilities 1 and 2. Although the exact function of R&D Radar Facility 3 is unknown, its orientation is similar to that of existing ABM-related radars at Radar Facilities 1 and 2. These two facilities are designed to track ballistic targets launched from Kapustin Yar toward the 1,050-nautical-mile impact area at Sary-Shagan.

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